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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/771,597	02/04/2004	James D. Ralph	SPINE 3.0-447 CONT	3441
51640	7590	04/18/2007		
SPINE MP			EXAMINER	
LERNER, DAVID, et al.			HOFFMAN, MARY C	
600 SOUTH AVENUE WEST				
WESTFIELD, NJ 07090				
			ART UNIT	PAPER NUMBER
			3733	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/18/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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Office Action Summary	Application No. 10/771,597	Applicant(s) RALPH ET AL.	
	Examiner Mary Hoffman	Art Unit 3733	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 January 2007.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 01/24/2007 has been entered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Keller et al. (U.S. Patent No. 5,122,130).

In a different embodiment that what was discussed in the previous action mailed 10/20/2006, Keller discloses an instrument (FIGS. 7-9) for holding an intervertebral spacer, the instrument comprising a shaft having a proximal end (top portion of instrument, see around ref. #26 in FIG. 7) forming a handle, and a distal end forming a claw subassembly (bottom portion); the claw subassembly including a first pincer (ref.

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#24) which is fixed at the distal end of the shaft and a second pincer (ref. #25) which is selectively rotateable, i.e. capable of being rotated when selected to rotate by a user, into and out of spacer holding association with the first pincer; and an actuation mechanism (ref. #28) for selectively rotating the second pincer, wherein the first and second pincers have opposing inner curved surfaces that extend to a distal end of the instrument. The second pincer is rotateably mounted to the shaft and is spring biased away from the first pincer. The actuation mechanism comprises a sliding member mounted to the shaft which is selectively moveable in the distal direction by a force sufficient to overcome the bias of the spring, the distally directed movement of the sliding member thereby causing the second pincer to move toward the fixed first pincer, and the subsequent retraction of the sliding member in a proximal direction causes the sliding member to disengage the second pincer and the permits the pincers to separate under the bias of the spring. The second pincer includes a tapered surface, which is engaged by a corresponding surface of the sliding member, the engagement causes the second pincer to rotate relative to the first pincer. The first of the pair of pincers is fixed and a second being coupled to the first in open-biased opposition thereto, the first and second pincers having opposing inner curved surfaces that extend to a distal end of the instrument; and a sliding element translatable into and out of engagement with the second pincer to close and open the pair of pincers, respectively. The pair of pincers define an intervertebral spacer grasping enclosure having an access opening through which the intervertebral spacer can be passed for placement into the enclosure when the sliding element is out of engagement with the second pincer; and the spacer is

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securely maintained between the first and second pincers when the sliding element has been translated into engagement with the second pincer. The first and second pincers are mounted at the distal end of a common shaft, and the sliding element is translatable along the shaft; and wherein the second pincer has a portion thereof which is engaged by the sliding element to close the pair of pincers. The second pincer is mounted to the common shaft by a pivot joint (see slot separating pincers ref. #24 and #25), and the portion of the second pincer which is engaged by the sliding element is a tapered surface, the angle of which tapered surface, when engaged by the sliding element, causes the second pincer to rotate about the pivot joint, closing the first and second pincers. The reference further discloses an intervertebral spacer (see FIG. 1) comprising a cylindrical member having an annular groove defining a central axial core portion and a pair of flange portions at opposing ends thereof; and the claw subassembly engages the spacer at the central axial core.

Claims 1-4 and 6-9 are rejected under 35 U.S.C. 102(b) as being anticipated by McKeever (U.S. Patent No. 801,151).

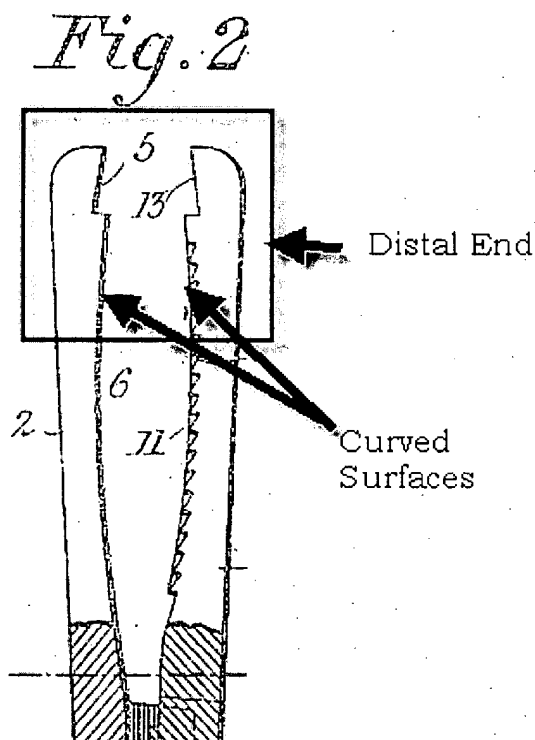
McKeever disclose an instrument capable of holding an intervertebral spacer, the instrument comprising a shaft having a proximal end forming a handle (ref. #3), and a distal end forming a claw subassembly. The claw subassembly including a first pincer (ref. #2) fixed at the distal end of the shaft and a second pincer (ref. #9) which is capable of being selectively rotated into and out of a holding association with the first pincer capable of holding and releasing, respectively, a spacer. The instrument further comprises an actuation mechanism for selectively rotating the second pincer. The

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second pincer is rotateably mounted to the shaft and is spring biased away from the first pincer (ref. #14). The actuation mechanism comprises a sliding member (ref. #16) mounted to the shaft which is selectively moveable in the distal direction by a force sufficient to overcome the bias of the spring, the distally directed movement of the sliding member capable of causing the second pincer to move toward the fixed first pincer, and the subsequent reaction of the sliding member in a proximal direction causes the sliding member to disengage the second pincer and the permit the pincers to separate under the bias of the spring. The second pincer includes a tapered surface, which is engaged by a corresponding surface of the sliding member, the engagement causes the second pincer to rotate relative to the first pincer. The pair of pincers, a first being fixed, and a second being coupled to the first in open-biased opposition; and a sliding element capable of translating into and out of engagement with the second pincer to close and opening the pair of pincers. The pair of pincers defines an intervertebral spacer grasping enclosure having an access opening. An intervertebral spacer is capable of being passed for placement into the enclosure when the sliding element is out of engagement, and the spacer is capable of being securely maintained between the first and second pincers when the sliding element has been translated into engagement with the second pincer. The first and second pincers are mounted at the distal end of a common shaft, and the sliding element is capable of being translated along the shaft; and wherein the second pincer has a portion thereof, which is engaged by the sliding element to close the pair of pincers. The second pincer is mounted to the common shaft by a pivot joint (ref. #10), and the portion of the second pincer which is

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engaged by the sliding element is a tapered surface, the angle of which tapered surface, when engaged by the sliding element, is capable of causing the second pincer to rotate about the pivot joint, closing the first and second pincers. The first and second pincers have opposing curved inner surfaces (ref. #12) that extend to the distal end of the instrument (see below marked-up figure).



Response to Arguments

Applicant's arguments with respect to the claims rejected under the Keller reference have been considered but are moot in view of the new ground(s) of rejection, i.e. the claims are now being rejected under a different embodiment/interpretation of the Keller reference.

Applicant's arguments filed 01/24/2007 regarding the McKeever reference have been fully considered but they are not persuasive. It is noted that the term "distal end" can be interpreted as the distal end portion encased by the black box shown in the above marked-up figure of McKeever (U.S. Patent No. 801,151). Also, applicant is reminded that the terms "translateable" and "selectively rotateable" are being considered as functional language. With regard to the statement of intended use and other functional statements, they do not impose any structural limitations on the claims distinguishable over McKeever or Keller, which are capable of being used as claimed if one so desires to do so. In re Casey, 152 USPQ 235 (CCPA 1967) and In re Otto, 136 USPQ 458,459 (CCPA 1963). Furthermore, the law of anticipation does not require that the reference "teach" what the subject patent teaches, but rather it is only necessary that the claims under attack "read on" something in the reference. Kalman v. Kimberly Clark Corp., 218 USPQ 781 (CCPA 1983). Furthermore, the manner in which a device is intended to be employed does not differentiate the claimed apparatus from prior art apparatus satisfying the claimed structural limitations. Ex parte Masham, 2 USPQ2d 1647 (1987).

The rejections are deemed proper.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mary Hoffman whose telephone number is 571-272-5566. The examiner can normally be reached on Monday-Friday 9:00-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eduardo C. Robert can be reached on 571-272-4719. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MCH



EDUARDO C. ROBERT
SUPERVISORY PATENT EXAMINER